

Appl. No. 09/886,030
Examiner: Hewitt, James M, Art Unit 3679
In response to th Office Action dated Jan. 31, 2003

Date: April 30, 2003
Attorney Docket No. 10111391

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-16 (withdrawn)

Sub C1 > Claims 17-18 (cancelled)

Claim 19 (currently amended): An inflatable product, including:

a first chamber;
a first valve;
an air pump for inflating the first chamber through the first valve;
a first switch for activating the air pump and opening the first valve; and
a switch circuit through which the air pump is activated by the first switch. ~~An inflatable product as claimed in claim 18, wherein the switch circuit has a second switch microswitch turned on by the first switch when the first switch is turned on, and a relay activated to supply the air pump with power when the second switch microswitch is turned on.~~

Claim 20 (currently amended): An inflatable product, including:

a first chamber;
a first valve;
an air pump for inflating the first chamber through the first valve;
a first switch for activating the air pump and opening the first valve; and
a switch circuit through which the air pump is activated by the first switch. ~~An inflatable product as claimed in claim 18, wherein the switch circuit has an air bulb and a pressure switch, the first switch is turned on to press the air bulb, and the pressure switch is turned on by the air bulb to activate the air pump when the air bulb is pressed by the first switch.~~

Claim 21 (cancelled)

Sub C2 > Claim 22 (currently amended): An inflatable product, including:

a first chamber;

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a first valve;
an air pump for inflating the first chamber through the first valve;
a first switch for activating the air pump and opening the first valve;
a second chamber;
a second valve through which the air pump inflates the second chamber; and
a second switch to activate the air pump and open the second valve. An inflatable
product as claimed in claim 24, wherein the air pump has a first pair of electrodes and a second
pair of electrodes, the air pump operating in a first direction when the first pair of electrodes
contact each other, the air pump operating in a second, reverse direction opposite to the first
direction when the second pair of electrodes contact each other, and the first switch controls the
air pump to operate, and the second switch also controls the air pump to operate.

Claims 23-28 (withdrawn)

sub <-> Claim 29 (new) The inflatable product as claimed in claim 19, wherein the second switch is a
microswitch.

Claim 30 (new) The inflatable product as claimed in claim 19, further comprising:
a second chamber;
a second valve through which the air pump inflates the second chamber; and
a third switch to activate the air pump and open the second valve, wherein the switch
circuit has a fourth switch turned on by the third switch when the third switch is turned on, and
the relay is activated to supply the air pump with power when the fourth switch is turned on.

Claim 31 (new) The inflatable product as claimed in claim 30, wherein the fourth switch is a
microswitch.

Claim 32 (new) The inflatable product as claimed in claim 20, further comprising:
a second chamber;
a second valve through which the air pump inflates the second chamber; and
a second switch to activate the air pump and open the second valve, wherein the second
switch is turned on to press the air bulb, and the pressure switch is turned on by the air bulb to
activate the air pump when the air bulb is pressed by the second switch.

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Claim 33 (new) An inflatable product, including:

a first chamber;

a first valve;

an air pump for inflating the first chamber through the first valve; and

a switch circuit through which the air pump is activated, wherein the switch circuit has an air bulb and a pressure switch, and the pressure switch is turned on by the air bulb to activate the air pump when the air bulb is pressed.

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(cancel)

Claim 34 (new) The inflatable product as claimed in claim 33, further comprising:

a second chamber; and

a second valve through which the air pump inflates the second chamber.